

## ABSTRACT OF THE DISCLOSURE

Methods and apparatuses for thread management for multi-threading are described herein. In one embodiment, exemplary process includes selecting, during a compilation of code having one or more threads executable in a data processing system, a current thread having a most bottom order, determining resources allocated to one or more child threads spawned from the current thread, and allocating resources for the current thread in consideration of the resources allocated to the current thread's one or more child threads to avoid resource conflicts between the current thread and its one or more child threads. Other methods and apparatuses are also described.